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CONTRACT CERTIFICATE

No: First and Final Bill (For Other Works) Date.....2020

Division: **Project** Sub-Division: **Project Division**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Schedule Docket No. Sub Divisional **Work Code: 004-20-000003**

Name of Work: **Development of parks and Construction of Toilets at B sector Parks in Ward No.04 Yelahanka New Town** Head of Account: P-3692 Est.Cost- **200.00 Lakhs**

Name of Contractor and Full Address: **Sri. K Gopireddy** Date: **29-04-2020**

Reference to Agreement No: **EE(Project)/Ynk Zone/WO/08/2020-21**

Certified that the measurements were taken by me on 01-09-2021 and recorded of Pages 583013-36 of measurement Book No. 5831 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 01/09/2021 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Gross bills 19,68,800.00
2)	Deduct amount to be held in reserve being .....percent Rs.....	Deduct IT 19688.00
3)	" Balance	CGM 196888.00
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... towards cash advance recovery of	Amount adjusted CBF 1968.00
		CGST 17579.00
	b) Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	SGST 17579.00
		Royalty 13734.00
5)	Balance being unpaid value of work done held in reserve.	Welfare 9020.98
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	unadjustments items Rebate 1878602.00
7)	Net amount due to or from Contractor	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	Total amount adjusted -

Audited & Admitted for Rs. 19,68,800.00 Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum Rs 18,78,602.00 by Cheque and Rs. 90,2098.00 by Adjustment

(in final settlement of all demands) (For use in the Office)

Witness

1.

2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Stamp Accts. Superintendent Project Division B.B.M.P.

Exe. Engineer Project Division B.B.M.P

Executive Engineer

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ABSTRACT BILL

FIRST AND FINAL BILL

Name of Work:- The work of Development of Parks and construction of Toilets at B Sector Parks in Ward No 04 Yalahanka New Town.

Work order No :- EE(PROJECT)/YNK ZONE/WO/08/2020-21 **Date:-** 29.04.2020

Estimate Cost :- 200.00 Lakhs

Sl. No	Description of work	Unit	Schedule B			Previous		Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 (P.No.138, I.No.18.11 of PW, P&IWTD SR 2018-19)	Sqm	3847.09	11.13	42814.03	-	-	3847.09	11.13	42814.03	3847.09	42814.03
2	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.143, I.No.19.1 of PW, P&IWTD SR 2018-19)	Cum	640.94	-	-	-	-	640.94	-	-	-	-
	Above 125%	Cum	139.61	-	-	-	-	139.61	-	-	-	-
	Total	Cum	780.55	222.36	173561.10	-	-	780.55	222.36	173561.10	780.55	173561.10
3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 2100 (P.No.222, I.No.27.18 of PW,P&IWTD S.R 2018-19)	Cum	93.63	-	-	-	-	93.63	-	-	-	-
	Above 125%	Cum	13.74	-	-	-	-	13.74	-	-	-	-
	Total	Cum	107.37	5692.45	611173.04	-	-	107.37	5692.45	611173.04	107.37	611173.04
4	KSRB 5.4-3 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:6 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 (Page No. 23, Item No. - 5.12 of PW;P&IWTD S.R 2018-19)	Cum	205.04	-	-	-	-	205.04	-	-	-	-
	Above 125%	Cum	106.85	-	-	-	-	106.85	-	-	-	-
	Total	Cum	311.89	5841.58	1821918.16	-	-	311.89	5841.58	1821918.16	311.89	1821918.16
5	KSRB 15.1.3 – do – Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm	260.81	-	-	-	-	260.81	-	-	-	-

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Sl. No	Description of work	Unit	Schedule B			Previous		Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
	Above 125%	Sqm	241.53	-	-	-	-	241.53	-	-	-	-
	Total	Sqm	502.35	111.12	55821.29	-	-	502.35	111.12	55821.29	502.35	55821.29
6	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs. with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PW, P&IWTD SR2016-17)	Cum	59.15	-	-	-	-	59.15	-	-	-	-
	Above 125%	Cum	22.77	-	-	-	-	22.77	-	-	-	-
	Total	Cum	81.92	6169.51	505378.20	-	-	81.92	6169.51	505378.20	81.92	505378.20
7	KSRB 14.3 : Providing and laying flooring and steps machine cut granite slabs 40mm thick on cement mortar bed 1:6, 25 mm thick, and pointed with cement mortar 1:3 over existing cement concrete bed, including cost of materials, mortar, labour, curing complete as per specifications. Specification No. KBS 14.26 (P.No103 of I.No.14.3 in PW,P&IWTD SR 2018-19)	Sqm	126.29	2700.99	341115.25	-	-	126.29	2700.99	341115.25	126.29	341115.25
8	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm. (P.No 112, I.No.14.61.2 of PW,P&IWTD S.R 2018-19)	Sqm	305.72	2202.42	673322.99	-	-	305.72	2202.42	673322.99	305.72	673322.99
9	KSRRB M2200-5.9. Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. - i) Upto 5 m height.(P.No.227, I.No.28.7.9 of PW, P&IWTD SR 2018-19)	Cum	14.74	-	-	-	-	14.74	-	-	-	-
	Above 125%	Cum	2.85	-	-	-	-	2.85	-	-	-	-
	Total	Cum	17.59	5757.00	101249.09	-	-	17.59	5757.00	101249.09	17.59	101249.09
10	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407 (P.No155 of I.No.20.20 in PW,P&IWTD SR 2018-19)	cum	420.79	232.59	97873.11	-	-	420.79	232.59	97873.11	420.79	97873.11

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Sl. No	Description of work	Unit	Schedule B			Previous		Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
11	KSRRB M400-17: Providing, laying, spreading and compacting graded stones aggregate to Wet Mix Macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mix method of tipper to site,Laying in uniform layers with paver in subbase/base course on the well prepared surface and compacting with vibratory rollers to achive the desired density complete as per MORTH specification No. 406.etc with all lead and lifts and as per directions of the Engineer-in-charge(Page No:155 Item No: 20.18, of KPWD SR Bangalore Circle 2018-19)	Cum	10.56	2101.14	22194.30	-	-	10.56	2101.14	22194.30	10.56	22194.30
12	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 109, I.No. 14.62 of PWD SR 2018-19)	Sqm	56.41	1371.09	77349.51	-	-	56.41	1371.09	77349.51	56.41	77349.51
13	KSRB 14.6-1: Providing & laying heavy duty cobble stones 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No 103 of I.No.14.6 in PW,P&IWTD SR 2018-19)	Sqm	235.00	604.63	142087.32	-	-	235.00	604.63	142087.32	235.00	142087.32
14	KSRB 14.6-1: Providing & laying heavy duty cobble stones 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No 103 of I.No.14.6 in PW,P&IWTD SR 2018-19)	Sqm	1469.54	1171.88	1722116.00	-	-	1469.54	1171.88	1722116.00	1469.54	1722116.00
15	Removing and resetting of kerb stones(P.No.270, I.No.37.57 of PW,P&IWTD SR 2018-19)	Rmt	270.00	110.18	29747.66	-	-	270.00	110.18	29747.66	270.00	29747.66

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Date.....2020

Sl. No	Description of work	Unit	Schedule B			Previous		Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
16	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (P.No 27 of I.No.5.30 in PW,P&IWTD SR 2018-19)	No.	2430.00	454.06	1103367.63	-	-	2427.00	454.06	1102005.45	2427.00	1102005.45
17	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. Item no.24.1 of KPWD S.R Bangalore Circle 2018-2019)	Sqm	382.53	89.03	34057.14	-	-	382.49	89.03	34053.40	382.49	34053.40
18	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (P.No 266 of I.No.37.3 in PW,P&IWTD SR 2018-19)	Sqm	630.00	-	-	-	-	630.00	-	-	-	-
	Above 125%	Sqm	211.30	-	-	-	-	211.30	-	-	-	-
	Total	Sqm	841.30	795.72	669436.58	-	-	841.30	795.72	669436.58	841.30	669436.58
19	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (P.No 266 of I.No.37.2 in PW,P&IWTD SR 2018-19)	m	234.00	-	-	-	-	234.00	-	-	-	-
	Above 125%	m	160.65	-	-	-	-	160.65	-	-	-	-
	Total	m	394.65	955.98	377275.91	-	-	394.65	955.98	377275.91	394.65	377275.91
20	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. (P.No.266 I.No.37.4 of PW,P&IWTD SR of 2018-19)	m	600.00	-	-	-	-	600.00	-	-	-	-
	Above 125%	m	364.30	-	-	-	-	364.30	-	-	-	-
	Total	m	964.30	454.06	437850.78	-	-	964.30	454.06	437850.78	964.30	437850.78

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Sl. No	Description of work	Unit	Schedule B			Previous		Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
21	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72 x 72 x 4.8mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50X6mm arch bent to hot dip galvanized flats. the work is inclusive of throughing GI, flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like G I Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineering charge of the work	Sqm	23.27	13097.53	304763.24	-	-	23.27	13097.53	304763.24	23.27	304763.24
22	Fabricating, supplying & erecting M.S. angular Truss for all spans as approved design and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support, with base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipments, etc., complete as per specification. (Page No. 43 Item No. 7.30 of CSR 2018-19).	kgs	3578.11	142.45	509703.60	-	-	3578.11	142.45	509703.60	3578.11	509703.60
23	KSRB 8.4-1 : Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, teak wood reepers of size 50x25mm and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17. (P.No. 49, I.No. 8.10 of PWD SR 2018-19)	Sqm	79.80	1188.57	94847.95	-	-	79.80	1188.57	94847.95	79.80	94847.95
24	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complate as per specifications.(P 120/ I.15.74 PW,P & IWTD SR - 2018-19)	Sqm	1348.70	105.72	142591.60	-	-	1348.70	105.72	142591.60	1348.70	142591.60
25	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (Page no -5, item no - 2.3)	Cum	101.84	339.03	34527.19	-	-	100.42	339.03	34045.76	100.42	34045.76

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			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
26	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (Page no -5, item no - 2.3)	Cum	84.42	339.03	28621.23	-	-	84.42	339.03	28621.23	84.42	28621.23
27	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (Page no -5, item no - 2.3)	Cum	50.40	339.03	17087.30	-	-	50.40	339.03	17087.30	50.40	17087.30
28	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 465 cum machine mixed, machine mixed,concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth, including cost of all material, labour HOM Machinery curing complete as per specification,(Page. No. 12 Item No. 4.2	Cum	12.92	5889.44	76079.72	-	-	12.92	5889.44	76082.6 76079.72	12.92	76092.0 76079.72
29	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page No : 15, item No : 4.28)	Sqm	33.82	292.54	9893.84	-	-	33.82	292.54	9893.84	33.82	9893.84
30	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No : 15, item No : 4.31)	Sqm	295.40	405.93	119912.71	-	-	295.40	405.93	119912.71	295.40	119912.71
31	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page No : 16, item No : 4.32)	Sqm	68.64	517.05	35490.64	-	-	68.64	517.05	35490.64	68.64	35490.64
32	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitonsupto 3.50m from ground level. Specification No. KBS 4.6.2(Page No : 15, item No : 4.18)	Sqm	149.50	453.56	67806.74	-	-	149.50	453.56	67806.74	149.50	67806.74

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			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
33	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No : 16, item No : 4.34)	Sqm	73.06	331.10	24189.91	-	-	73.06	331.10	24189.91	73.06	24189.91
34	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (Page No : 13, item No : 4.11)	Cum	56.56	6416.69	362915.43	-	-	56.56	6416.69	362915.43	56.56	362915.43
35	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Page No : 14, item No : 4.13)	Cum	36.34	6680.89	242796.96	-	-	36.34	6680.89	242796.96	36.34	242796.96
36	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 (Page No : 17, item No : 4.46.2)	Tonne	12.23	80467.78	984311.65	-	-	12.21	80467.78	982565.42	12.21	982565.42

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Sl. No	Description of work	Unit	Schedule B			Previous		Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
37	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification (Page No : 67, item No : 10.5)	Sqm	208.00	596.43	124056.86	-	-	208.00	596.43	124056.86	208.00	124056.86
38	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto SO m. and lift upto 1.S m. including cost of all labour complete as per specifications. specification. No. KBS(Page No : 67, item No : 10.5)	Cum	64.37	227.91	14670.26	-	-	64.08	227.91	14604.62	64.08	14604.62
39	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(Page No :25, item No : 5.27.1)	Sqm	263.03	1034.11	272005.96	-	-	263.03	1034.11	272005.96	263.03	272005.96
40	KSRB15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	256.50	327.69	84053.71	-	-	256.50	327.69	84053.71	256.50	84053.71
41	KSRB 15.3.1 Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications..(Page No.112, Item No.15.9)	Sqm	304.24	239.25	72790.75	-	-	304.24	239.25	72790.75	304.24	72790.75
42	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	71.95	266.46	19170.80	-	-	71.95	266.46	19170.80	71.95	19170.80
43	KSRB 15.10.2 Providing white washing for every one additional coat with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications. (Page No. 114, Item No. 15.39)	Sqm	304.24	6.80	2069.88	-	-	304.24	6.80	2069.88	304.24	2069.88

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			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
44	KSRB 15.10.4 Providing white washing to ceiling and / or sloping roof surface with additional one coat with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.(Page No. 114, Item No. 15.41)	Sqm	71.95	7.94	571.05	-	-	71.95	7.94	571.05	71.95	571.05
45	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 117, I.No. 15.53.2 of SR 2018-19).	Sqm	256.50	115.66	29666.02	-	-	256.50	115.66	29666.02	256.50	29666.02
46	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even approved shade after throuughly brushing the surface,free from mortar drops and other foreign matter, including priming , including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications,with primer. (Page No : 116, item No :15.51.2)For internal walls.	Sqm	304.24	102.05	31048.19	-	-	304.24	102.05	31048.19	304.24	31048.19
47	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even approved shade after throuughly brushing the surface,free from mortar drops and other foreign matter, including priming , including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications,with primer. (Page No : 117, item No :15.51. 2 & 3) for ceiling	Sqm	71.95	102.05	7342.01	-	-	71.95	102.05	7342.01	71.95	7342.01
48	Providing vitrified tiles 60 x 60cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification. (Page No : 107, item No :14.45)	Sqm	49.39	1020.50	50398.55	-	-	49.39	1020.50	50398.55	49.39	50398.55
49	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles 400 x 400mm on a bed of 20mm thick (Page No : 106, item No :14.36.3)	Sqm	17.06	1438.91	24546.35	-	-	17.06	1438.91	24546.35	17.06	24546.35
50	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms. (P.No.106, I.No. 14.41.2 of PWD SR 2018-19)	Sqm	97.49	1850.51	180408.24	-	-	97.49	1850.51	180408.24	97.49	180408.24

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CT CERTIFICATE

Date.....2020

Sl. No	Description of work	Unit	Schedule B			Previous			Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
51	KSRB 9.4-3 : Providing Mathi / Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 (Page No : 51, item No :9.11)	Cum	0.89	1850.51	1637.70	-	-	0.89	1850.51	1637.70	0.89	1637.70
52	KSRB 9.5-3 : Providing and fixing in position fully panelled Mathi/Nandi wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 (Page No : 51, item No :9.16)	Sqm	9.45	-	-	-	-	9.45	-	-	-	-
	Above 125%											
		Sqm	3.15	-	-	-	-	3.15	-	-	-	-
	Total	Sqm	12.60	4313.33	54347.90	-	-	12.60	4313.33	54347.90	12.60	54347.90
53	Providing and fixing factory made single leaft rigid GRP Sandwich composite door shutter of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using UV-stabilized Isopthalic Gelcoat and on layer of 45 gsm E-Glass Chopped strand Mat (CSM), impregnated with orthopthalic polyster resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not less than 28mmx32mm and also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc, shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the Salwood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV/TIFAC Composites Design centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain colour White/Ivory/Beige/Light Grey or any other colour using high quality pigments. Exclusing cost of fixtures and inclusive of supply of shutters to respective work spot. (Page No : 58, Item No :9.93)	Sqm	17.01	3401.68	57862.51	-	-	17.01	3401.68	57862.51	17.01	57862.51

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			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
54	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any Specification No. KBS using aluminium section anodized to 12 - 15 microns. (P.No. 301/ I. No. 7.10.1	Sqm	5.94	4794.10	28476.93	-	-	5.94	4794.10	28476.93	5.94	28476.93
55	KSRB 15-17.4 : Applying priming coat over new wood surface and / or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications.(Page. No. 118 Item No. 15.58)	Sqm	9.45	-	-	-	-	9.45	-	-	-	-
	Above 125%	Sqm	3.15	-	-	-	-	3.15	-	-	-	-
	Total	Sqm	12.60	56.69	714.35	-	-	12.60	56.69	714.35	12.60	714.35
56	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.(Page. No. 118 Item No. 15.60.1)	Sqm	9.45	-	-	-	-	9.45	-	-	-	-
	Above 125%	Sqm	3.15	-	-	-	-	3.15	-	-	-	-
	Total	Sqm	12.60	109.99	1385.84	-	-	12.60	109.99	1385.84	12.60	1385.84
57	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locl<ing arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1 000 litre capacity) Specification No.KBS 13.22 (P.No.94, I.No.13.78 of PW, P&IWTD S.R 2018-19)	Each	2.00	7742.21	15484.43	-	-	2.00	7742.21	15484.43	2.00	15484.43

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			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
58	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (P.No.96, I.No. 13.86.2 of PWD SR 2018-19)	m	200.00	266.46	53292.92	-	-	200.00	266.46	53292.92	200.00	53292.92
59	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 25mm nominal OD pipes(P.No.96, I.No. 13.86.3 of PWD SR 2018-19)	m	100.00	332.23	33223.04	-	-	98.00	332.23	32558.57	98.00	32558.57
60	KSRB13-8.5 : Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 110mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9(P.No.94, I.No.13.70.4 of PW, P&IWTD S.R 2018-19)	m	100.00	430.88	43087.90	-	-	96.00	430.88	41364.38	96.00	41364.38
61	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. (P.No.82, I.No. 12.41 of PWD SR 2018-19)	unit	5.00	-	-	-	-	5.00	-	-	-	-
	Above 125%	unit	1.00	-	-	-	-	1.00	-	-	-	-
	Total	unit	6.00	1288.10	7728.61	-	-	6.00	1288.10	7728.61	6.00	7728.61
62	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. (P.No. 88, I.No. 12.111 of PWD SR 2018-19)	Each	12.00	170.08	2041.01	-	-	12.00	170.08	2041.01	12.00	2041.01
63	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms (P.No. 88, I.No. 12.113.1 of PWD SR 2018-19)	Each	12.00	283.47	3401.68	-	-	12.00	283.47	3401.68	12.00	3401.68
64	KSRB13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (P.No. 91, I.No. 13.23 of PWD SR 2018-19)	Each	12.00	215.44	2585.27	-	-	12.00	215.44	2585.27	12.00	2585.27

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			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty	Cost
65	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (P.No.91/ I.No. 13.34 of CSR 2018-19)	Each	6.00	509.12	3054.71	-	-	6.00	509.12	3054.71	6.00	3054.71
66	Constructing brick masonry inspection chamber 450x450mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 450x450mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 450x450mm (P.No. 73/ I.No.11.50.2 of PWD SR 2018-19)	Nos	6.00	6009.63	36057.77	-	-	6.00	6009.63	36057.77	6.00	36057.77
67	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (P.No. 77, I.No.12.2 of PWD SR 2018-19)	Each	9.00	4789.56	43106.04	-	-	9.00	4789.56	43106.04	9.00	43106.04
68	KSRB 11-7.1 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P.No.79 I.No.12.7 of CSR 2018-19)	unit	6.00	3483.32	20899.90	-	-	6.00	3483.32	20899.90	6.00	20899.90

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69	KSRB 12-1.2 : Providing and laying in position to required level or slope 150mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges complete as per specifications. Specification No. KBS 12.2.5 / 12.7 (P.No.70 I.No.11.2 of CSR 2018-19)	m	50.00	417.27	20863.61	-	-	50.00	417.27	20863.61	50.00	20863.61
70	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - 150mm dia (P.No.246, I.No.34.7.1 of CSR 2018-19)	m	30.00	443.35	13300.55	-	-	30.00	443.35	13300.55	30.00	13300.55
71	Providing Square Tank Covers of size 24" X 24" at 21kgs(Page No : XXXVI)	Each	2.00	1336.52	2673.05	-	-	2.00	1336.52	2673.05	2.00	2673.05
72	Providing Footsteps of size 15" X 14" Heavy (Page No : XXXVI)	Each	10.00	290.82	2908.22	-	-	10.00	290.82	2908.22	10.00	2908.22
73	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5	Cum	167.24	222.36	37186.26	-	-	167.24	222.36	37186.26	167.24	37186.26
74	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 - (1:4:8 - (M7.5)) with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum	3.94	5677.99	22344.29	-	-	3.94	5677.99	22344.29	3.94	22344.29
75	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - 300mm. dia	Mtr	58.30	1707.18	99528.56	-	-	58.30	1707.18	99528.56	58.30	99528.56
76	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - 1200mm dia	Mtr	88.00	6274.50	552155.68	-	-	88.00	6274.50	552155.68	88.00	552155.68
77	Filter media stone aggregate 60mm &down size	Cum	29.84	1407.98	42017.69	-	-	29.84	1407.98	42017.69	29.84	42017.69
78	Crushed stone aggregate 13.2mm to 10mm	Cum	29.84	1457.58	43497.80	-	-	29.84	1457.58	43497.80	29.84	43497.80
79	Sand/ Artificial Sand/ Manufactured Sand	Cum	12.43	2125.31	26426.99	-	-	12.43	2125.31	26426.99	12.43	26426.99

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			Qty	Rate	Cost	Qty	Cost		Qty.	Rate	Cost	Qty.	Cost	
80	Executive bench made out of sadaralli grey stone with hand suport 3 line finishing with arch desiagn with 100cm slabs height 90% length 45cms (data approved rate)	No's	50.00	19108.18	955409.00	-	-		50.00	19108.18	955409.00	50.00	955409.00	
81	Supplying and Fixing of Garbage bins rectangular with permanent structure serles without arch 100litre capacity approved by Engineer in charge	No's	22.00	19370.66	426154.41	-	-		22.00	19370.66	426154.41	22.00	426154.41	
82	Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitations either through the hand pump,MWS,P.W.S.S by vertical electrical sounding by adpoting venner or Schlumberger's method,including reconnaissance survey of Geological formation. Geophysical investigation of existing ground indecundity its quality & acceptability of the users indicating the location of site,recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre inconsolidated formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped,probable yield and other information required including transportation of instrument and accesories to work site,engaging technical personal and labour required etc.,(PRED SR 2012 13 It.9.4, P-47) (PRED SR 20-05-2019 It.13.04)	BW	2.00	3956.02	7912.05	-	-		2.00	3956.02	7912.05	2.00	7912.05	
83	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (PRED SR 20-05-2019 It.13.01,)													
a	0 to 50 m	Rmt	100.00	364.32	36431.53	-	-		100.00	364.32	36431.53	100.00	36431.53	
b	50 to 100 m	Rmt	100.00	464.06	46405.58	-	-		100.00	464.06	46405.58	100.00	46405.58	
c	100 to 150 m	Rmt	100.00	478.75	47875.44	-	-		100.00	478.75	47875.44	100.00	47875.44	
d	150 to 200 m	Rmt	100.00	562.75	56274.64	-	-		100.00	562.75	56274.64	100.00	56274.64	
e	200 to 250 m	Rmt	100.00	665.64	66563.66	-	-		100.00	665.64	66563.66	100.00	66563.66	
f	250 to 300 m	Rmt	100.00	734.93	73493.00	-	-		100.00	734.93	73493.00	100.00	73493.00	
g	300 to 350 m	Rmt	100.00	866.17	86616.75	-	-		100.00	866.17	86616.75	100.00	86616.75	
84	Providing and fixing 250mm dia PVC (casing pipe) (page no.XXXI, SL no.909) (KPWD SR 2016-17)	Rmt	24.00	2729.74	65513.76	-	-		24.00	2729.74	65513.76	24.00	65513.76	

Original/Duplicate/Triplicate

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Sl. No	Description of work	Unit	Schedule B			Previous		Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
85	Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe-grade of steel Fee 4100 of wakk thickness 504mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr. Both ends threaded confirming to Is554/1985 one end fixed with socket confirming to IS 270:2001 and other end with screwed pipes. All pipes shall be reasonably free from defectes. The tubes shall be resonably straigth should be with ISI Marking Weighting 25.10 kg/mtr (Inclusive of all taxes and durties) Prices include Collar - medium duty. (Page No.III,It no.84)PRED SR 2012-13.	Rmt	60.00	1391.12	83467.05	-	-	60.00	1391.12	83467.05	60.00	83467.05
86	Providing 175mm Dia M.S. Collar (P.No.iii,I.No.86) PRED SR 2012-13	No	10.00	157.49	1574.85	-	-	10.00	157.49	1574.85	10.00	1574.85
87	Providing 175mm dia Bore Cap CE (M) (P.No.iii,I.No.85) PRED SR 2012-13	No	2.00	104.99	209.98	-	-	2.00	104.99	209.98	2.00	209.98
88	Atalanta suguna CRI KIRLOSKAR and other equipments pumps 10.00 HP/7.5 KV (20 stage) (Pg No. XLI. Sl.no.29) KPWD SR-2018-19	No	2.00	52447.75	104895.51	-	-	2.00	52447.75	104895.51	2.00	104895.51
89	Providing and fixing in trenches galvinised/mild steel tube 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for seperately) including cost of all materials, labour charges,HOM of equipment and testing complete as per specifications. Specification No. KBS 13.2.14/13.6 (page no.92/It no.13.15)KPWD SR 2018-19.	Rmt	600.00	431.80	259081.72	-	-	600.00	431.80	259081.72	600.00	259081.72
90	Supplying and drawing 3 core flat PVC sheathed submersible pump cable maufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and power coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming to the attwached GTP of group A 3CX4.0 sq.mm (PWD Ele SR 2014-15,P-12/It-2.10.3)	Rmt	1220.00	133.02	162287.24	-	-	1220.00	133.02	162287.24	1220.00	162287.24
91	Providing and fixing in position 50mm Nominal bore non-return valve vertical type of approved make including cost of all materials,labour and HOM of equipment with all leads complete as per specifications.(PWD SR 18-19,P-95/It no.13.62)	No	2.00	1412.26	2824.52	-	-	2.00	1412.26	2824.52	2.00	2824.52
92	Spplying and fixing 50mm GI Union.(PWD SR 2016-17,P-XXXIX)	No	2.00	234.86	469.73	-	-	2.00	234.86	469.73	2.00	469.73
93	Spplying and fixing 50mm GI Elbow.(PWD SR 2016-17,P-XXXIX)	No	2.00	117.38	234.76	-	-	2.00	117.38	234.76	2.00	234.76
94	Spplying and fixing 50mm GI Nipple.(PWD SR 2016-17,P-XXXIX)	No	2.00	109.50	219.01	-	-	2.00	109.50	219.01	2.00	219.01
95	Spplying and fixing 50mm GI Hose colleres(PWD SR 2016-17,P-XXXIX)	No	100.00	108.14	10813.97	-	-	100.00	108.14	10813.97	100.00	10813.97
96	Supplying and fixing 20" x 20" x 2.5" polished wood board made of not less than 15mm thick plank on both the sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P.no.44 / I no. 6.6.6 KPWD ELE SR 2014-15	No	2.00	317.07	634.14	-	-	2.00	317.07	634.14	2.00	634.14

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Sl. No	Description of work	Unit	Schedule B			Previous		Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
97	Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.(PWD Ele SR 2014-15,P-47/Sl no.6.16.6) 40-63 Amps	No	2.00	2032.61	4065.21	-	-	2.00	2032.61	4065.21	2.00	4065.21
98	Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG powder coated point of approved colour 32 amps (PWD Ele SR 2014 15,P-44,It-6.5.1)	No	2.00	1961.21	3922.43	-	-	2.00	1961.21	3922.43	2.00	3922.43
99	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC(PWD Ele SR 2014-15,p-48,Sl no.6.36)	No	2.00	464.06	928.11	-	-	2.00	464.06	928.11	2.00	928.11
100	Suppling fully automatic star delta starter unit push button type with suitable wires 2 conductors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts phase and wired after fixing to the existing wooden board for motor. upto 12.5HP(PWD Ele SR 2014-15,p-44,Sl no.-6.2.1)	No	2.00	6911.49	13822.98	-	-	2.00	6911.49	13822.98	2.00	13822.98
101	Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motar up to 20 HP capacities.(PWD Ele SR 2014-15,p-44/Sl no.6.3)	No	2.00	806.32	1612.65	-	-	2.00	806.32	1612.65	2.00	1612.65
102	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694:1990 & conforming to the attached GTP of group A. 4 sqmm (PWD Ele SR 2014-15,p-6,It-2.5.4(d)	Mtrs	40.00	44.20	1768.03	-	-	40.00	44.20	1768.03	40.00	1768.03
103	Supplying fixing and wiring heavy duty low voltage capacitors conforming to IS 2834 phase 400/440 volts grade, for power factor improvement of rotating machinery.(PWD Ele SR 2014-15,p-48/Sl no.6.35)	No	8.00	434.66	3477.27	-	-	8.00	434.66	3477.27	8.00	3477.27
104	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cotouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia (PWD Ele SR 2014-15,p-55,Sl no.7.1)	No	2.00	2863.08	5726.15	-	-	2.00	2863.08	5726.15	2.00	5726.15
105	Digging of trench of 0.36mtrs deepx0.5 mtrs wide refilling the trench to the required gorund level and consolidating etc., complete (PWD Ele SR 2014-15,p-62,It-7.9.2) hard soil	Mtrs	16.00	111.29	1780.63	-	-	16.00	111.29	1780.63	16.00	1780.63
106	Supplying laying 1.1 KV class LT UG cable having aluminium conductor PVC insulated extruded inner shethed galvanised steel strip (excep 2cx 10 sqmm wire armoured) confirming to IS-3975:1990 (No. of strip indicated in GTP) and extruded PVC outer sheathed armoured cable with specified IS-1554,part-1:1988 and confirming to the attached GTP of group A 4 core 16 sq mm PWD Ele SR 2014-15,p-55,It-7.4.4)	Mtrs	20.00	147.41	2948.12	-	-	19.00	147.41	2800.71	19.00	2800.71

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Sl. No	Description of work	Unit	Schedule B			Previous		Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
107	Labour charge for laying 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/ on wall / on poles as required in existing trench/duct. 6 sq mm to 16 sq mm(PWD Ele SR 2014-15,p-61,It-7.8.1)	No	50.00	11.34	566.95	-	-	49.00	11.34	555.61	49.00	555.61
108	Supplying and fixing class-A(medium duty) GI pipe wall thickness not less then 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1KV class 40mm(PWD Ele SR 2014-15,p-62,It-7.12.1)	Rmt	4.00	362.22	1448.86	-	-	4.00	362.22	1448.86	4.00	1448.86
109	Supplying and fixing LT cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumen / insulating compound complete with terminals,clamps bolts and nuts and washer etc.,complete for 16 sq mm as per specifications.(PWD Ele SR 2014-15,p-62,It-7.13.2)	No	2.00	293.97	587.94	-	-	2.00	293.97	587.94	2.00	587.94
110	Supplying and fixing porcelain fuse channel with cut out on the existing wooden block and wiring complete 63 amps(PWD Ele SR 2014-15,p-45,It-6.7.3)	No	6.00	245.68	1474.06	-	-	6.00	245.68	1474.06	6.00	1474.06
111	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (KPWD SR 2018-19, P-140, It 18.47)	Cum	72.00	1000.49	72035.40	-	-	70.20	1000.49	70234.52	70.20	70234.52
112	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5 (KPWD SR 2018-19, P-6, It-2.4)	Cum	108.00	499.69	53966.46	-	-	108.00	499.69	53966.46	108.00	53966.46
113	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (external work) - 50mm nominal OD pipes (KPWD SR 2018-19, P-99, It-13.87.6)	Mtr	400.00	480.77	192308.08	-	-	400.00	480.77	192308.08	400.00	192308.08
114	Making connection of G.I.distribution branch with G.I.main of 25mm to 40mm. Nominal bore, including cutting and threading the pipes,providing and fixing Tee, nuts,labour for all item of works,testing and HOM of equipments complete as per specifications. (P.No.93/ I.No. 13.20 of KPWD SR 2018-19)	Each	40.00	537.53	21501.11	-	-	36.00	537.53	19351.00	36.00	19351.00

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Sl. No	Description of work	Unit	Schedule B			Previous		Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
115	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). - 20mm nominal OD pipes (KPWD SR 2018-19, P-98, It-13.85.2)	Mtr	440.00	174.72	76878.72	-	-	423.00	174.72	73908.40	423.00	73908.40
116	Providing and fixing to wall, ceiling and floor Medium density polyethylene pipes 6.00 kgf/sq.cm working pressure 25mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 (KPWD SR 2018-19, P-95, It-13.67)	Mtr	200.00	143.56	28712.67	-	-	190.00	143.56	27277.03	190.00	27277.03
117	KSRB 2-4 : Refilling available around earth pipe lines,cables in layers mot exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. And lift upto 1.5m. Including cost of all labour complete as per specifications.(KPWD SR 2018-19, P-7, it-2.11)	Cum	75.60	134.66	10180.31	-	-	75.60	134.66	10180.31	75.60	10180.31
118	Loading and unloading of stone boulder/stone aggregates/sand/kanker/ moorum. KSRRB M100-1:Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (KPWD SR 2018-19,P-136, it.17.1)	Cum	104.40	73.28	7650.75	-	-	104.40	73.28	7650.75	104.40	7650.75
119	KSRB 2-4 : Providing and fixing in position brass gate valve with C.I.wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials,labour and HOM of equipments with all leads complete as per specifications. (P.No.94/ I.No. 13.37 of KPWD SR 2018-19)	Each	2.00	1935.32	3870.65	-	-	2.00	1935.32	3870.65	2.00	3870.65
120	KSRB13-6.2-1 : Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (Pg No:-93/I.No:-13.26 of KPWD SR 2018-19 2018-19)	Each	40.00	156.92	6276.72	-	-	40.00	156.92	6276.72	40.00	6276.72

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			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
121	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.3 of KPWD SR 2018-19)	Cum	54.00	5677.99	306611.20			52.65	5677.99	298945.92	52.65	298945.92
122	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for foundations & sub-structure works with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) (P.No.18, I.No. 4.48 of KPWD SR 2018-19)	Cum	36.00	6058.59	218109.42			35.10	6058.59	212656.68	35.10	212656.68
123	BESCOM deposit Charges and miscellaneous	No	2.00	12598.80	25197.60			2.00	12598.80	25197.60	2.00	25197.60
					Total Construction Cost					17814448.49		17814448.49
					12% GST				136826	2137733.82	136826	2137733.82
					Sub Total					19952182.31		19952182.31

Certificate

1 The above work has been Completed satisfactorily
2 The debris has been removed and disposed from the work spot.
3 No. departmental issues are made to the contractor

19688800 Rs. 19688800 Rs

Contractor

VSR CIVIL INFRA PVT LTD. BANGALORE

Project Management Consultants

Assistant Engineer
Yelahanka Project

Asst.Executive Engineer
Yelahanka Project

01/09/2021

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